

ABSTRACT OF THE DISCLOSURE

A computer card for data transfer in a network of multiple computer cards that includes a circuit card comprising a PCI bus, a PCI-based mezzanine card that is mounted to the circuit card and connected to the PCI bus for access to processing resources and memory resources of the circuit card, a multi-port fabric switch, and a PCI-to-switch fabric bridge comprising a port connected to the fabric switch. Multiple cards are networked together to form a switched fabric board interconnect system to meet the many demanding requirements of high-availability systems used in the telecom industry and parallel applications in military real-time computers.